



STIC Search Report

Biotech-Chem Library

File Copy
09/747,385
updated

STIC Database Tracking Number: 139816

TO: David Lamberston
Location: rem/2b79/2c70
Art Unit: 1636
Wednesday, December 08, 2004

Case Serial Number: 09/747385

From: Barb O'Bryen
Location: Biotech-Chem Library
Remsen 1A69
Phone: 571-272-2518

barbara.obryen@uspto.gov

Search Notes

O'Bryen, Barbara

From: Lambertson, David
Sent: Tuesday, December 07, 2004 12:47 PM
To: O'Bryen, Barbara
Cc: Lambertson, David
Subject: Search Request

Search Request

Examiner's Name:	David Lambertson
Examiner #:	79514
Art Unit:	1636
Room #:	Remsen 02B79
Mailbox room#:	Remsen 02C70
Phone:	(571) 272-0771
Results Format:	paper

Serial #:09/747, 385

Please Search:

Nucleic Acid databases for:

SEQ ID No: 2-4 (1224 nt, 32 nt, and 132 nt, respectively)

Including:

1. Interference Search.

Also,

Protein and Nucleic Acid databases for:

SEQ ID NO: 1 (407 aa)

Including:

1. Interference Search.

Thanks,

12/7/04

OM nucleic - nucleic search, using sw model

Run on: December 7, 2004, 22:53:52 ; Search time 102.496 Seconds
(without alignments)
7076.826 Million cell updates/sec

Title: US-09-747-385-4

Perfect score: 132

Sequence: 1 tcaacttaacaggacaaat.....aacttaacaggacaaattt 132

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 3695051 seqs, 2747533894 residues

Total number of hits satisfying chosen parameters: 7390102

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:*

1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*

2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*

3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*

4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*

5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq:*

6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq:*

7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq:*

8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq:*

9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq:*

10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq:*

11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq:*

12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*

13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq:*

14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq:*

15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq:*

16: /cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq:*

17: /cgn2_6/ptodata/2/pubpna/US10E_PUBCOMB.seq:*

18: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*

19: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq:*

20: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*

21: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES					
Result No.	Score	Query Match	Length DB ID	Description	
1	42.4	32.1	24617	17	US-10-741-601-5765 Sequence 5765, App
2	40.4	30.6	11976	15	US-10-311-455-567 Sequence 567, App
3	40	30.3	5586	16	US-10-240-454-52 Sequence 52, App
4	39.2	29.7	2000	16	US-10-260-238-2019 Sequence 2019, App
5	38.8	29.4	380	17	US-10-437-963-37068 Sequence 37068, A
6	37.8	28.6	2140405	13	US-10-027-632-76212 Sequence 76212, A
7	37.8	28.6	2140405	15	US-10-027-632-76212 Sequence 76212, A
8	36.8	27.9	6699	16	US-10-240-454-15 Sequence 15, App
9	36.8	27.9	19787	15	US-10-311-455-1424 Sequence 1424, App
10	36.6	27.7	655	18	US-10-363-345A-8903 Sequence 8903, App
11	36.6	27.7	655	18	US-10-363-345A-8904 Sequence 8904, App
12	36.6	27.7	6220	15	US-10-311-455-1273 Sequence 1273, App

C 13	36.6	27.7	11964	17	US-10-433-793-55	Sequence 55, Appl
C 14	36.2	27.4	6048	17	US-10-433-793-31	Sequence 31, Appl
C 15	36	27.3	2000	16	US-10-260-238-2019	Sequence 2019, App
C 16	36	27.3	17538	15	US-10-311-455-1130	Sequence 1130, App
C 17	36	27.3	344805	18	US-10-779-271-1	Sequence 1, Appli
C 18	35.6	27.0	56153	16	US-10-221-714A-520	Sequence 520, App
C 19	35.2	26.7	17389	15	US-10-311-455-1387	Sequence 1387, App
C 20	34.6	26.2	189817	17	US-10-741-601-5660	Sequence 5660, App
C 21	34.4	26.1	5379	15	US-10-311-455-1650	Sequence 1650, App
C 22	34.4	26.1	5379	15	US-10-240-485-130	Sequence 130, App
C 23	34.4	26.1	8576	15	US-10-311-455-2201	Sequence 2201, App
C 24	34.4	26.1	403035	17	US-10-741-601-5729	Sequence 5729, App
C 25	34.4	26.1	3673778	15	US-10-312-841-2	Sequence 2, Appli
C 26	34.2	25.9	12590	15	US-10-311-455-1894	Sequence 1894, App
C 27	34.2	25.9	45862	13	US-10-216-355-3	Sequence 3, Appli
C 28	34	25.8	7047	15	US-10-240-453-259	Sequence 259, App
C 29	34	25.8	10183	16	US-10-221-714A-478	Sequence 478, App
C 30	33.8	25.6	722	17	US-10-437-963-37386	Sequence 37386, A
C 31	33.8	25.6	1288	16	US-10-425-114-12969	Sequence 12969, A
C 32	33.8	25.6	9095	17	US-10-433-793-92	Sequence 92, Appl
C 33	33.8	25.6	16228	16	US-10-221-613-387	Sequence 387, App
C 34	33.8	25.6	36504	17	US-10-739-096-5	Sequence 5, Appli
C 35	33.8	25.6	3673778	15	US-10-312-841-1	Sequence 1, Appli
C 36	33.6	25.5	483	16	US-10-424-599-70660	Sequence 70660, A
C 37	33.6	25.5	559	15	US-10-029-386-11887	Sequence 11887, A
C 38	33.6	25.5	594	17	US-10-021-323-979	Sequence 979, App
C 39	33.6	25.5	139214	13	US-10-087-192-2038	Sequence 2038, App
C 40	33.6	25.5	141079	18	US-10-331-053-56	Sequence 56, Appl
C 41	33.4	25.3	501	16	US-10-240-425-864	Sequence 864, App
C 42	33.4	25.3	5507	18	US-10-473-126-344	Sequence 344, App
C 43	33.4	25.3	6308	15	US-10-311-455-1444	Sequence 1444, App
C 44	33.4	25.3	80393	18	US-10-806-038-4	Sequence 4, Appli
C 45	33.4	25.3	1691139	14	US-10-067-514-1	Sequence 1, Appli

ALIGNMENTS

RESULT 1

US-10-741-601-5765

; Sequence 5765, Application US/10741601

; Publication No. US20040166519A1

; GENERAL INFORMATION:

; APPLICANT: CARGILL, Michele et al.

; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH STENOSIS, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001500

; CURRENT APPLICATION NUMBER: US/10/741,601

; CURRENT FILING DATE: 2003-12-22

; NUMBER OF SEQ ID NOS: 26415

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 5765

; LENGTH: 24617

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-741-601-5765

Query Match 32.1%; Score 42.4; DB 17; Length 24617;

Best Local Similarity 60.3%; Pred. No. 0.91;

Matches 70; Conservative 0; Mismatches 46; Indels 0; Gaps 0;

Qy	17	AAATTTTCACTTTTAAACAGGACAAATTTTCAACTTTTAAACAGGACAAATTTTCAACTTTAA 76
Db	19206	AGATTTTACTTTTATATACAGGCAAAAGGTAAATTCATACAGAACCCATTTGTCAATTTA 19265
Qy	77	CAGGACAAATTTTCAACTTTTAAACAGGACAAATTTTCAACTTTTAAACAGGACAAATTT 132
Db	19266	TTTTTGAATTTTAAATTTTAAAGGACAAATCTTCACTTTTAAACAGGTATATGT 19321

RESULT 2

US-10-311-455-567

; Sequence 567, Application US/10311455

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 7, 2004, 21:22:51 ; Search time 18.6792 Seconds
(without alignment)
5022.908 Million cell updates/sec

Title: US-09-747-385-4
Perfect score: 132
Sequence: 1 tcaacttaacaggacaaat.....aacttaacaggacaaattt 132

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 824507 seqs, 3539441 residues

Total number of hits satisfying chosen parameters: 1649014

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA.*
1: /cgn2_6/ptodata/1/ina/5A_COMB.seq.*
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq.*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq.*
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq.*
5: /cgn2_6/ptodata/1/ina/PCUS_COMB.seq.*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	45.6	34.5	51952	3	US-08-947-823-1
2	40.8	30.9	51952	3	US-08-947-823-1
3	34	25.8	1888	3	US-09-035-648-20
4	34	25.8	1888	3	US-09-001-951-20
5	34	25.8	1888	4	US-08-818-829-20
6	33.2	25.2	640681	4	US-09-790-988-1
7	32.8	24.8	6072	3	US-09-535-381-3
8	32.2	24.4	5804	4	US-08-956-171E-249
9	32.2	24.4	5804	4	US-08-781-986A-249
10	32	24.2	188	3	US-08-905-124-3
11	32	24.2	1308	4	US-09-601-188-3
12	32	24.2	6306	4	US-10-204-708-50
13	32	24.2	6866	4	US-10-204-708-19
14	32	24.2	7502	3	US-08-969-644-6
15	32	24.2	7502	3	US-08-444-189-6
16	32	24.2	7502	3	US-08-468-544-6
17	31.4	23.8	408	4	US-09-134-000C-2905
18	31.2	23.6	4507	2	US-08-568-459A-3
19	31.2	23.6	4507	2	US-08-487-826B-3
20	31.2	23.6	4507	3	US-09-210-288-3
21	31.2	23.6	640681	4	US-09-790-988-1
22	31	23.5	1847	3	US-08-930-894-3
23	31	23.5	1888	3	US-09-035-648-20
24	31	23.5	1888	3	US-09-001-951-20
25	31	23.5	1888	4	US-08-818-829-20
26	31	23.5	2003	4	US-09-270-767-13299
27	30.8	23.3	8353	3	US-08-611-587-1

28	30.8	23.3	319608	4	US-09-539-333D-1	Sequence 1, Appli
29	30.8	23.3	319608	4	US-09-679-409-1	Sequence 1, Appli
30	30.6	23.2	550	4	US-09-270-767-3378	Sequence 3378, Ap
31	30.6	23.2	550	4	US-09-270-767-18660	Sequence 18660, A
32	30.6	23.2	915	4	US-09-543-681A-3335	Sequence 3335, Ap
33	30.6	23.2	6314	1	US-08-211-430-1	Sequence 1, Appli
34	30.4	23.0	309	4	US-09-071-035-435	Sequence 435, App
35	30.4	23.0	411	4	US-09-071-035-433	Sequence 433, App
36	30.4	23.0	11050	4	US-08-956-171B-96	Sequence 96, Appl
37	30.4	23.0	11050	4	US-08-781-986A-96	Sequence 96, Appl
38	30	22.7	874	3	US-09-126-109-3	Sequence 3, Appli
39	30	22.7	2800	2	US-08-023-980B-1	Sequence 1, Appli
40	30	22.7	2800	2	US-08-486-953A-1	Sequence 1, Appli
41	30	22.7	2800	4	US-08-204-052-1	Sequence 1, Appli
42	29.8	22.6	410	4	US-09-270-767-7931	Sequence 7931, Ap
43	29.8	22.6	410	4	US-09-270-767-23213	Sequence 23213, A
44	29.8	22.6	1178	4	US-09-270-767-25443	Sequence 25443, A
45	29.8	22.6	1737	4	US-09-270-767-10100	Sequence 10100, A

ALIGNMENTS

RESULT 1
US-08-947-823-1
; Sequence 1, Application US/08947823
; Patent No. 6114605
; GENERAL INFORMATION:
; APPLICANT: Williamson, Valerie M.
; APPLICANT: Kaloshian, Isgouhi
; APPLICANT: Yaghoobi, Jafar
; APPLICANT: Bodeau, John
; APPLICANT: Milligan, Stephen
; TITLE OF INVENTION: Procedures and Materials for Conferring
; TITLE OF INVENTION: Pest Resistance in Plants
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, Eighth Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/947,823
; FILING DATE: 09-OCT-1997
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US97/18802
; FILING DATE: 09-OCT-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/028,191
; FILING DATE: 10-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Bastian, Kevin L.
; REGISTRATION NUMBER: 34,774
; REFERENCE/DOCKET NUMBER: 023070-070210US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 576-0200
; TELEFAX: (415) 576-0300
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 51952 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-947-823-1

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 7, 2004, 22:53:52 ; Search time 17.0827 Seconds
(without alignments)
7076.826 Million cell updates/sec

Title: US-09-747-385-3

Perfect score: 22

Sequence: 1 tcaactttaacaggacaaattt 22

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 3695051 seqs, 2747533894 residues

Total number of hits satisfying chosen parameters: 7390102

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

Published Applications NA:*
1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq.*
2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq.*
3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq.*
4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq.*
5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq.*
6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq.*
7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq.*
8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq.*
9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq.*
10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq.*
11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq.*
12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq.*
14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq.*
15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq.*
16: /cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq.*
17: /cgn2_6/ptodata/2/pubpna/US10E_PUBCOMB.seq.*
18: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
19: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq.*
20: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
21: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description
1	18.8	85.5	984	15	US-10-032-585-6022
2	18.4	83.6	4337	16	US-10-398-221-3733
C 3	17.8	80.9	1696	16	US-10-398-221-1744
C 4	17.8	80.9	1828	16	US-10-398-221-3540
5	17.4	79.1	753	16	US-10-424-599-104890
6	17.4	79.1	1087	13	US-10-027-632-9376
7	17.4	79.1	1087	15	US-10-027-632-9376
8	17.4	79.1	1254	16	US-10-282-122A-36263
C 9	17.2	78.2	495	9	US-09-783-590-5437
C 10	17.2	78.2	546	18	US-10-425-115-14770
C 11	17.2	78.2	610	13	US-10-027-632-251065
12	17.2	78.2	610	15	US-10-027-632-251065

C 13	17.2	78.2	624	13	US-10-027-632-239767	Sequence 239767,
C 14	17.2	78.2	624	15	US-10-027-632-239767	Sequence 239767,
C 15	17.2	78.2	626	18	US-10-425-115-99166	Sequence 99166, A
C 16	17.2	78.2	828	15	US-10-012-697-85	Sequence 85, Appl
C 17	17.2	78.2	873	13	US-10-027-632-172293	Sequence 172293,
C 18	17.2	78.2	873	13	US-10-027-632-172294	Sequence 172294,
C 19	17.2	78.2	873	15	US-10-027-632-172293	Sequence 172293,
C 20	17.2	78.2	873	15	US-10-027-632-172294	Sequence 172294,
C 21	17.2	78.2	1237	16	US-10-282-122A-7763	Sequence 7763, A
C 22	17.2	78.2	2071	15	US-10-369-493-26078	Sequence 26078, A
C 23	17.2	78.2	2631	15	US-10-104-047-52	Sequence 52, Appl
C 24	17.2	78.2	3083	9	US-09-371-900-36	Sequence 36, Appl
C 25	17.2	78.2	3083	9	US-09-324-417-62	Sequence 62, Appl
C 26	17.2	78.2	3083	9	US-09-970-820-36	Sequence 36, Appl
C 27	17.2	78.2	3083	9	US-09-986-718-36	Sequence 36, Appl
C 28	17.2	78.2	3083	15	US-10-186-950-36	Sequence 36, Appl
C 29	17.2	78.2	3083	16	US-10-653-872-62	Sequence 62, Appl
C 30	17.2	78.2	3084	8	US-08-825-486-11	Sequence 11, Appl
C 31	17.2	78.2	3084	8	US-08-870-434-6	Sequence 6, Appl
C 32	17.2	78.2	3084	9	US-09-372-044-11	Sequence 11, Appl
C 33	17.2	78.2	3084	10	US-09-560-150-6	Sequence 6, Appl
C 34	17.2	78.2	3084	14	US-10-067-741-6	Sequence 6, Appl
C 35	17.2	78.2	7158	15	US-10-369-493-26066	Sequence 26066, A
C 36	17.2	78.2	9834	8	US-08-781-986A-37	Sequence 37, Appl
C 37	17.2	78.2	9834	16	US-10-329-624-37	Sequence 37, Appl
C 38	17.2	78.2	9834	16	US-10-087-192-1798	Sequence 1798, Ap
C 39	17.2	78.2	9834	16	US-10-085-117-160	Sequence 160, App
C 40	16.8	76.4	182	18	US-10-425-115-150471	Sequence 150471,
C 41	16.8	76.4	476	13	US-10-027-632-45431	Sequence 45431, A
C 42	16.8	76.4	476	15	US-10-027-632-45431	Sequence 45431, A
C 43	16.8	76.4	488	13	US-10-027-632-265888	Sequence 265888,
C 44	16.8	76.4	488	15	US-10-027-632-265888	Sequence 265888,
C 45	16.8	76.4	684	13	US-10-027-632-126537	Sequence 126537,

ALIGNMENTS

RESULT 1
US-10-032-585-6022
; Sequence 6022, Application US/10032585
; Publication No. US20030180953A1
; GENERAL INFORMATION:
; APPLICANT: Terry, Roemer D.
; APPLICANT: Bo, Jiang
; APPLICANT: Charles, Boone
; APPLICANT: Howard, Bussey
; TITLE OF INVENTION: Gene Disruption Methodologies for Drug Target Discovery
; FILE REFERENCE: 10182-005-999
; CURRENT APPLICATION NUMBER: US/10/032,585
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 8000
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6022
; LENGTH: 984
; TYPE: DNA
; ORGANISM: Candida albicans
US-10-032-585-6022

Query Match 85.5%; Score 18.8; DB 15; Length 984;
Best Local Similarity 90.9%; Pred. No. 1.7e+02;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy : 1 TCAACTTTTACAGACAAATTT 22
Db : 426 TCAACTTTTACAGACAAATTT 447

RESULT 2
US-10-398-221-3733
; Sequence 3733, Application US/10398221
; Publication No. US20040018514A1
; GENERAL INFORMATION:

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 7, 2004, 21:22:51 ; Search time 3.11321 Seconds
(without alignments)
5022.908 Million cell updates/sec

Title: US-09-747-385-3

Perfect score: 22

Sequence: 1 tcaacttaacaggacaaattt 22

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 824507 seqs, 35539441 residues

Total number of hits satisfying chosen parameters: 1649014

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Issued Patents NA:*
- 1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*
 - 2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*
 - 3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*
 - 4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*
 - 5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
 - 6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	18.8	85.5	615	4	US-09-248-796A-5223
2	18.8	85.5	984	4	US-09-792-024-21
3	17.2	78.2	442	4	US-09-513-999C-2604
C 4	17.2	78.2	450	4	US-09-248-796A-3551
C 5	17.2	78.2	3083	2	US-08-480-994-36
C 6	17.2	78.2	3083	2	US-08-616-844-36
C 7	17.2	78.2	3083	2	US-08-599-654-36
C 8	17.2	78.2	3083	2	US-08-485-573-36
C 9	17.2	78.2	3083	3	US-08-944-868A-36
C 10	17.2	78.2	3083	3	US-08-944-423A-36
C 11	17.2	78.2	3083	3	US-08-925-743-36
C 12	17.2	78.2	3083	3	US-08-944-496-36
C 13	17.2	78.2	3083	3	US-08-925-767-36
C 14	17.2	78.2	3084	3	US-08-826-246-11
C 15	17.2	78.2	3084	3	US-08-944-495-11
C 16	17.2	78.2	3084	3	US-09-126-640-6
C 17	17.2	78.2	3084	3	US-08-925-588-11
C 18	17.2	78.2	3084	3	US-09-288-292A-6
C 19	17.2	78.2	3084	4	US-09-372-044-11
C 20	17.2	78.2	3084	4	US-08-825-486-11
C 21	17.2	78.2	3084	4	US-08-826-248-11
C 22	17.2	78.2	8022	4	US-09-029-047C-3
C 23	17.2	78.2	9834	4	US-08-956-171E-37
C 24	17.2	78.2	9834	4	US-08-781-986A-37
C 25	16.8	76.4	1863	4	US-09-248-796A-2811
C 26	16.8	76.4	1914	4	US-09-690-454-34
C 27	16.8	76.4	6990	4	US-09-620-312D-155

C 28	16.4	74.5	250	4	US-09-513-999C-23096	Sequence 23096, A
C 29	16.4	74.5	844	4	US-08-956-171E-619	Sequence 619, App
C 30	16.4	74.5	844	4	US-08-781-986A-619	Sequence 619, App
C 31	16.4	74.5	4011	1	US-08-121-057-3	Sequence 3, Appli
C 32	16.4	74.5	4011	2	US-08-509-187D-3	Sequence 3, Appli
C 33	16.4	74.5	4011	2	US-09-121-396-3	Sequence 3, Appli
C 34	16.4	74.5	4011	5	PCT-US93-09704A-3	Sequence 3, Appli
C 35	16.4	74.5	786431	4	US-09-751-389-3	Sequence 36236, A
C 36	16.2	73.6	369	4	US-09-513-999C-36236	Sequence 18137, A
C 37	16.2	73.6	445	4	US-09-621-976-18137	Sequence 56, Appli
C 38	16.2	73.6	499	4	US-09-679-409-56	Sequence 1, Appli
C 39	16.2	73.6	1200	2	US-08-747-887-1	Sequence 2116, Ap
C 40	16.2	73.6	1425	3	US-09-134-001C-2116	Sequence 2466, Ap
C 41	16.2	73.6	1563	4	US-09-328-352-2466	Sequence 3, Appli
C 42	16.2	73.6	2824	1	US-08-261-086-3	Sequence 5110, Ap
C 43	16.2	73.6	2380	4	US-09-270-767-5110	Sequence 20392, A
C 44	16.2	73.6	2380	4	US-09-270-767-20392	Sequence 126, App
C 45	16.2	73.6	3001	4	US-09-539-333D-126	

ALIGNMENTS

RESULT 1
US-09-248-796A-5223
; Sequence 5223, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICA
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248,796A
; PRIOR FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 5223
; LENGTH: 615
; TYPE: DNA
; ORGANISM: Candida albicans
US-09-248-796A-5223

Query Match 85.5%; Score 18.8; DB 4; Length 615;
Best Local Similarity 90.9%; Pred. No. 12;
Matches 20; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 TCAACTTTTACAGGACAAATTT 22
Db 495 TCAACTTTTACAGGACAAATTT 516

RESULT 2
US-09-792-024-21
; Sequence 21, Application US/09792024
; Patent No. 6783985
; GENERAL INFORMATION:
; APPLICANT: Roemer, Terry
; APPLICANT: Jiang, Bo
; APPLICANT: Boone, Charles
; APPLICANT: Bussey, Howard
; TITLE OF INVENTION: Gene Disruption Methodologies for Drug
; FILE REFERENCE: 10182-004-999
; CURRENT APPLICATION NUMBER: US/09/792,024
; CURRENT FILING DATE: 2001-02-20
; NUMBER OF SEQ ID NOS: 490
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 21
; LENGTH: 984
; TYPE: DNA

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 7, 2004, 21:22:51 ; Search time 173.208 Seconds
(without alignments)
5022.908 Million cell updates/sec

Title: US-09-747-385-2

Perfect score: 1224

Sequence: 1 atggattttcttctataaa.....aattaaaaaaggaggtatag 1224

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 824507 seqs, 355394441 residues

Total number of hits satisfying chosen parameters: 1649014

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:*

1: /cgn2_6/ptodata/1/ina/5A-COMB.seq:*

2: /cgn2_6/ptodata/1/ina/5B-COMB.seq:*

3: /cgn2_6/ptodata/1/ina/6A-COMB.seq:*

4: /cgn2_6/ptodata/1/ina/6B-COMB.seq:*

5: /cgn2_6/ptodata/1/ina/PCTUS-COMB.seq:*

6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	114.8	9.4	19124	2	US-08-487-826B-13
2	114.4	9.3	10467	4	US-10-204-708-2
3	112.2	9.2	8961	4	US-10-204-708-80
4	110.4	9.0	2223	1	US-08-257-073-4
5	107	8.7	6669	4	US-10-204-708-6
6	106.8	8.7	3095	6	5231168-1
7	104.8	8.6	5562	4	US-10-204-708-63
8	104.6	8.5	6124	3	US-08-213-419B-3
9	103.4	8.4	640681	4	US-09-790-988-1
10	101.6	8.3	1664976	4	US-08-916-421B-1
11	101.6	8.3	1664976	4	US-09-692-570-1
12	101.4	8.3	6040	4	US-10-204-708-69
13	101.2	8.3	6306	4	US-10-204-708-50
14	100.8	8.2	1956	3	US-08-559-896B-1
15	100.8	8.2	1956	4	US-09-351-794A-1
16	100.6	8.2	4766	5	PCT-US93-07261-10
17	100.4	8.2	10840	4	US-09-417-485D-5
18	99.8	8.2	6152	3	US-08-973-462-1
19	98	8.0	5152	4	US-10-204-708-73
20	97.2	7.9	640681	4	US-09-790-988-1
21	96.6	7.9	6583	4	US-10-204-708-26
22	96.4	7.9	1866	4	US-09-601-198-153
23	95.6	7.8	5361	3	US-08-973-462-2
24	95.2	7.8	3255	4	US-09-601-198-108
25	95.2	7.8	11049	4	US-10-204-708-23
26	94.8	7.7	1575	4	US-09-543-681A-615
27	94	7.7	5340	4	US-09-627-122-21

C 28	94	7.7	6070	4	US-10-204-708-10	Sequence 10, Appl
C 29	93	7.6	5455	4	US-10-204-708-33	Sequence 33, Appl
C 30	93	7.6	6156	4	US-10-204-708-60	Sequence 60, Appl
C 31	92.6	7.6	6866	4	US-10-204-708-20	Sequence 20, Appl
C 32	92.4	7.5	5501	4	US-10-204-708-38	Sequence 38, Appl
C 33	91.2	7.5	6317	4	US-10-204-708-11	Sequence 11, Appl
C 34	91.2	7.5	19124	2	US-08-487-826B-13	Sequence 13, Appl
C 35	90.4	7.4	3680	4	US-09-647-390-15	Sequence 15, Appl
C 36	89.8	7.3	1864	3	US-09-468-265-4	Sequence 4, Appl
C 37	89.4	7.3	9347	4	US-10-204-708-36	Sequence 36, Appl
C 38	89.2	7.3	6801	4	US-10-204-708-62	Sequence 62, Appl
C 39	89.2	7.3	7218	1	US-08-232-463-14	Sequence 14, Appl
C 40	88.2	7.2	6326	4	US-10-204-708-57	Sequence 57, Appl
C 41	87.8	7.2	14066	4	US-09-601-198-56	Sequence 56, Appl
C 42	87.6	7.2	1851	4	US-09-601-198-51	Sequence 51, Appl
C 43	87.2	7.1	6113	4	US-10-204-708-14	Sequence 14, Appl
C 44	86.6	7.1	1864	3	US-09-468-265-4	Sequence 4, Appl
C 45	86.6	7.1	1887	4	US-09-601-198-39	Sequence 39, Appl

ALIGNMENTS

RESULT 1
US-08-487-826B-13
; Sequence 13, Application US/08487826B
; Patent No. 5993827
; GENERAL INFORMATION:
; APPLICANT: Sim, Kim L.
; APPLICANT: Chitnis, Chetan
; APPLICANT: Miller, Louis H.
; APPLICANT: Peterson, David S.
; APPLICANT: Su, Xin-zhaun
; APPLICANT: Wellens, Thomas E.
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
; TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe Martens Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: California
; COUNTRY: US
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/487,826B
; FILING DATE: 10-SEP-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Israel, Ned
; REGISTRATION NUMBER: 29,655
; REFERENCE/DOCKET NUMBER: NIH121.001CP1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 235-8550
; TELEFAX: (619) 235-0176
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19124 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-08-487-826B-13

Query Match 9.4%; Score 114.8; DB 2; Length 19124;
Best Local Similarity 49.8%; Pred. No. 9e-11;

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - nucleic search, using frame_plus_p2n model

Run on: December 8, 2004, 01:40:53 ; Search time 670 Seconds
(without alignments)
3338.049 Million cell updates/sec

Title: US-09-747-385-1
Perfect score: 2077
Sequence: 1 MDPFSIKSLGLNFRDLKK.....ELEENIKRQBELNKLKKEV 407

Scoring table: BLOSUM62
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 3695051 seqs, 2747533894 residues

Total number of hits satisfying chosen parameters: 7390102

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Command line parameters:
-MODEL=frame+ p2n.model -DEV=xlh
-Q=/cgn2_1/USPTO_spool_h/US09747385/runat_07122004_150701_16727/app_query.fasta_1.583
-DB=Published Applications NA -QFMT=fastap -SUFFIX=rnpb -MINMATCH=0.1
-LOOPEL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=blosum62
-TRANS=human40 cdi -LIST=45 -DOCALLIGN=200 -THR SCORE=pct -THR MAX=100
-THR MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=pto -NORM=ext -HEAPSIZ=500 -MINLEN=0
-MAXLEN=2000000000 -USER=US09747385@cgn_1_480@runat_07122004_150701_16727
-NCPU=6 -ICPU=3 -NO MMAP -LARGEQUERY -NEG SCORES=0 -WAIT -DSPBLOCK=100
-LONGLOG -DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5
-FGAPOP=6 -FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications NA.*
1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq.*
2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq.*
3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq.*
4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq.*
5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq.*
6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq.*
7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq.*
8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq.*
9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq.*
10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq.*
11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq.*
12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq.*
14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq.*
15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq.*
16: /cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq.*
17: /cgn2_6/ptodata/2/pubpna/US10E_PUBCOMB.seq.*
18: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
19: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq.*
20: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
21: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

*

Result No.	Score	Query Match	Length	DB ID	Description
1	247	11.9	3018	15	US-10-369-493-24748
2	225	10.8	3534	16	US-10-282-122A-16250
3	216	10.4	5373	15	US-10-369-493-25273
4	198.5	9.6	5361	9	US-09-742-096-2
5	198.5	9.6	5528	16	US-10-415-253-1
6	198.5	9.6	6152	9	US-09-742-096-1
7	196	9.4	3510	15	US-10-369-493-24782
8	193.5	9.3	3475	10	US-09-883-343A-15
9	192.5	9.3	3393	15	US-10-117-937-597
10	192.5	9.3	3393	17	US-10-657-022-93
11	191.5	9.2	2564	18	US-10-416-330-12
12	190	9.1	3546	16	US-10-282-122A-17261
13	189	9.1	3492	16	US-10-282-122A-15680
14	188.5	9.1	2853	16	US-10-282-122A-11101
15	187.5	9.0	3882	16	US-10-282-122A-25108
16	187.5	9.0	5418	16	US-10-282-122A-27329
17	187.5	9.0	580073	15	US-10-205-220-1
18	185.5	8.9	2835	15	US-10-369-493-25369
19	183.5	8.8	2280	16	US-10-335-977-3932
20	183.5	8.8	2286	16	US-10-335-977-3933
21	183.5	8.8	2341	9	US-09-881-752A-147
22	182	8.8	5847	15	US-10-032-585-6611
23	181.5	8.7	2643	15	US-10-369-493-45330
24	181.5	8.7	5641	15	US-10-032-585-6646
25	181	8.7	3598	16	US-10-282-122A-16553
26	181	8.7	4410	17	US-10-473-576-25
27	180.5	8.7	5628	15	US-10-369-493-23730
28	180	8.7	3378	16	US-10-282-122A-11029
29	179.5	8.6	2232	14	US-10-087-464-45
30	179.5	8.6	6386	13	US-10-098-841-40
31	178	8.6	2728	16	US-10-302-172-62
32	178	8.6	3471	15	US-10-369-493-23730
33	178	8.6	4350	17	US-10-473-576-45
34	177.5	8.5	2171	18	US-10-416-330-6
35	177.5	8.5	3552	16	US-10-282-122A-17070
36	176	8.5	5967	15	US-10-171-581-158
37	173	8.3	2061	16	US-10-282-122A-21613
38	173	8.3	3634	13	US-10-108-605-216
39	172.5	8.3	3576	16	US-10-369-493-37164
40	172	8.3	3576	16	US-10-282-122A-15864
41	171.5	8.3	1749	16	US-10-398-221-2342
42	171.5	8.3	1755	16	US-10-398-221-652
43	171.5	8.3	5457	16	US-10-282-122A-28061
44	171.5	8.3	14067	16	US-10-282-122A-40681
c 45	171.5	8.3	495269	16	US-10-398-221-8

ALIGNMENTS

RESULT 1
US-10-369-493-24748
; Sequence 24748, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 24748
; LENGTH: 3018
; TYPE: DNA

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - nucleic search, using frame_plus_p2n model

Run on: December 7, 2004, 23:05:43 ; Search time 117 Seconds
(without alignments)

2472.573 Million cell updates/sec

Title: US-09-747-385-1

Perfect score: 2077

Sequence: 1 MDFSIIKSLGLNFRDLKK.....ELEENIKRMOELNKLKEV 407

Scoring table:

BLOSUM62
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 824507 seqs, 355394441 residues

Total number of hits satisfying chosen parameters: 1649014

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Command line parameters:

-MODEL=frame+ p2n.model -DEV=xlh
-Q=/cgn2_1/USPTO.spool_h/US09747385/runat_07122004_150659_16689/app_query.fasta_1.583
-DB=Issued Patents NA -QFMT=fastap -SUFFIX=rni -MINMATCH=0.1 -LOOPCL=0
-LOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blomsum62 -TRANS=human40.cdi
-LIST=45 -DOCALIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15
-MODE=LOCAL -OUTFMT=pfo -NORM=ext -HEAPSIZ=500 -MINLEN=0 -MAXLEN=2000000000
-USER=US09747385.cgn2_1_69@runat_07122004_150659_16689 -NCPU=6 -ICPU=3
-NO MAP -LARGEQUERY -NEG SCORES=0 -WAIT -DSBLOCK=100 -LONGLOG
-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :

Issued Patents NA.*

- 1: /cgn2_6/ptodata/1/ina/5A.COMB.seq.*
- 2: /cgn2_6/ptodata/1/ina/5B.COMB.seq.*
- 3: /cgn2_6/ptodata/1/ina/6A.COMB.seq.*
- 4: /cgn2_6/ptodata/1/ina/6B.COMB.seq.*
- 5: /cgn2_6/ptodata/1/ina/PCTUS.COMB.seq.*
- 6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	247	11.9	1664976	4	US-08-916-421B-1
2	247	11.9	1664976	4	US-09-692-570-1
3	198.5	9.6	5361	3	US-08-973-462-2
4	198.5	9.6	6152	3	US-08-973-462-1
5	197	9.5	726	4	US-09-107-532A-432
6	196	9.4	1664976	4	US-08-916-421B-1
7	196	9.4	1664976	4	US-09-692-570-1
8	193.5	9.3	3475	4	US-08-924-629C-15
9	192.5	9.3	3393	3	US-09-104-324B-1
10	192.5	9.3	3393	3	US-09-162-713-1
11	187.5	9.0	580073	4	US-08-545-528D-1
12	180.5	8.7	2223	1	US-08-257-073-4

13	178	8.6	2728	4	US-09-799-451-62	Sequence 62, Appl
14	178	8.6	3763	1	US-07-792-865D-1	Sequence 1, Appl1
15	175	8.4	2133	4	US-09-107-532A-1413	Sequence 1413, Ap
16	172.5	8.3	3237	4	US-09-248-796A-6181	Sequence 6181, Ap
17	172	8.3	3229	4	US-09-248-796A-4950	Sequence 4950, Ap
18	171.5	8.3	2775	4	US-09-248-796A-4695	Sequence 4695, Ap
19	169.5	8.2	3636	3	US-09-134-001C-1983	Sequence 1983, Ap
20	168.5	8.1	2718	4	US-09-248-796A-2230	Sequence 2230, Ap
21	168	8.1	3033	3	US-09-134-001C-2341	Sequence 2341, Ap
22	167	8.0	9626	4	US-09-150-867-2	Sequence 2, Appli
23	166.5	8.0	3294	3	US-08-923-992A-7	Sequence 7, Appli
24	166.5	8.0	5923	4	US-09-976-594-907	Sequence 907, App
25	164	7.9	1956	3	US-08-559-896B-1	Sequence 1, Appl1
26	164	7.9	1956	4	US-09-351-794A-1	Sequence 1, Appli
27	163	7.8	1893	4	US-09-248-796A-6172	Sequence 6172, Ap
28	162.5	7.8	3520	4	US-09-710-279-4160	Sequence 4160, Ap
29	162.5	7.8	64081	4	US-09-790-988-1	Sequence 1, Appli
30	162	7.8	2085	2	US-08-668-128B-7	Sequence 7, Appli
31	162	7.8	2085	2	US-08-905-445-7	Sequence 7, Appli
32	162	7.8	2433	4	US-09-248-796A-6178	Sequence 6178, Ap
33	162	7.8	5857	4	US-09-220-132-79	Sequence 79, Appl
34	161.5	7.8	8503	4	US-09-620-312D-130	Sequence 130, App
35	161	7.8	3384	3	US-08-923-992A-5	Sequence 5, Appli
36	161	7.8	4200	1	US-08-242-932-1	Sequence 1, Appli
37	161	7.8	4200	1	US-08-714-481-1	Sequence 1, Appli
38	161	7.8	4200	3	US-08-923-992A-1	Sequence 1, Appli
39	161	7.8	4200	5	PCT-US95-06111-1	Sequence 1, Appli
40	161	7.8	4206	4	US-09-750-590-3	Sequence 3, Appli
41	161	7.8	4730	4	US-09-750-590-1	Sequence 1, Appli
42	160.5	7.7	1506	1	US-08-220-958-1	Sequence 1, Appli
43	160.5	7.7	3312	3	US-08-923-992A-3	Sequence 3, Appli
44	160.5	7.7	7100	3	US-09-308-375-1	Sequence 1, Appli
45	160.5	7.7	8257	4	US-09-595-684B-30	Sequence 30, Appl

ALIGNMENTS

RESULT 1

US-08-916-421B-1
; Sequence 1, Application US/08916421B
; Patent No. 6503729
; GENERAL INFORMATION:
; APPLICANT: Bult et al.
; TITLE OF INVENTION: Complete Genome Sequence of the Methanogenic Archaeon, Methanoco
; Patent No. 6503729
; TITLE OF INVENTION: jannaschii
; FILE REFERENCE: PE275
; CURRENT APPLICATION NUMBER: US/08/916,421B
; CURRENT FILING DATE: 1997-08-22
; PRIOR APPLICATION NUMBER: US 60/024,428
; PRIOR FILING DATE: 1996-08-22
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 1
; LENGTH: 1664976
; TYPE: DNA
; ORGANISM: Methanococcus jannaschii
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (28222)..(28222)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (28257)..(28258)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (84773)..(84773)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (84808)..(84808)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc feature
; LOCATION: (84812)..(84812)
; OTHER INFORMATION: n equals a, t, c, or g

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: December 7, 2004, 18:53:49 ; Search time 151 Seconds
(without alignments)
961.272 Million cell updates/sec

Title: US-09-747-385-1
Perfect score: 2077
Sequence: 1 MDFSIIKSLGLINFRDLKK.....ELEENIKRMQBELNKLKKEV 407

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1502225 seqs, 356638895 residues
Total number of hits satisfying chosen parameters: 1502225

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:
1: /cgn2_6/prodata/2/pubpaa/PCT_NEW_PUB.pdb.pap:
2: /cgn2_6/prodata/2/pubpaa/PCT_NEW_PUB.pdb.pap:
3: /cgn2_6/prodata/2/pubpaa/US06_NEW_PUB.pdb.pap:
4: /cgn2_6/prodata/2/pubpaa/US06_NEW_PUB.pdb.pap:
5: /cgn2_6/prodata/2/pubpaa/US06_NEW_PUB.pdb.pap:
6: /cgn2_6/prodata/2/pubpaa/US06_NEW_PUB.pdb.pap:
7: /cgn2_6/prodata/2/pubpaa/US08_NEW_PUB.pdb.pap:
8: /cgn2_6/prodata/2/pubpaa/US08_NEW_PUB.pdb.pap:
9: /cgn2_6/prodata/2/pubpaa/US09A_PUBCOMB.pdb.pap:
10: /cgn2_6/prodata/2/pubpaa/US09B_PUBCOMB.pdb.pap:
11: /cgn2_6/prodata/2/pubpaa/US09C_PUBCOMB.pdb.pap:
12: /cgn2_6/prodata/2/pubpaa/US09_NEW_PUB.pdb.pap:
13: /cgn2_6/prodata/2/pubpaa/US10A_PUBCOMB.pdb.pap:
14: /cgn2_6/prodata/2/pubpaa/US10B_PUBCOMB.pdb.pap:
15: /cgn2_6/prodata/2/pubpaa/US10C_PUBCOMB.pdb.pap:
16: /cgn2_6/prodata/2/pubpaa/US10D_PUBCOMB.pdb.pap:
17: /cgn2_6/prodata/2/pubpaa/US10_NEW_PUB.pdb.pap:
18: /cgn2_6/prodata/2/pubpaa/US11_NEW_PUB.pdb.pap:
19: /cgn2_6/prodata/2/pubpaa/US60_NEW_PUB.pdb.pap:
20: /cgn2_6/prodata/2/pubpaa/US60_PUBCOMB.pdb.pap:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	247	11.9	1005	14	US-10-369-493-1061 Sequence 1061, Ap
2	225	10.8	1178	15	US-10-282-122A-52434 Sequence 52434, A
3	216	10.4	1790	14	US-10-369-493-1586 Sequence 1586, Ap
4	198.5	9.6	1786	9	US-09-742-096-3 Sequence 3, Appli
5	198.5	9.6	1787	15	US-10-415-253-2 Sequence 2, Appli
6	196	9.4	1169	14	US-10-369-493-1095 Sequence 1095, Ap
7	192.5	9.3	976	14	US-10-117-937-596 Sequence 596, App
8	192.5	9.3	976	16	US-10-657-022-92 Sequence 92, Appl
9	191.5	9.2	795	16	US-10-408-765A-1205 Sequence 1205, Ap
10	191.5	9.2	795	17	US-10-416-330-34 Sequence 34, Appl
11	190	9.1	1182	15	US-10-282-122A-53445 Sequence 53445, A
12	189	9.1	1163	15	US-10-282-122A-51864 Sequence 51864, A
13	188.5	9.1	950	15	US-10-282-122A-47285 Sequence 47285, A

14	187.5	9.0	1294	15	US-10-282-122A-61292 Sequence 61292, A
15	187.5	9.0	1805	10	US-09-820-843A-73 Sequence 73, Appl
16	187.5	9.0	1805	15	US-10-282-122A-63513 Sequence 63513, A
17	185.5	8.9	944	14	US-10-369-493-1682 Sequence 1682, Ap
18	183.5	8.8	759	15	US-10-335-977-8694 Sequence 8694, Ap
19	183.5	8.8	762	15	US-10-335-977-8695 Sequence 8695, Ap
20	181.5	8.7	880	14	US-10-369-493-21643 Sequence 21643, A
21	181.5	8.7	881	14	US-10-032-585-7646 Sequence 7646, Ap
22	181	8.7	1196	14	US-10-282-122A-52737 Sequence 2, Appli
23	181	8.7	1404	16	US-10-473-576-2 Sequence 22885, A
24	180.5	8.7	1875	14	US-10-369-493-22285 Sequence 47213, A
25	180	8.7	1125	15	US-10-282-122A-47213 Sequence 53, Appl
26	179.5	8.6	743	14	US-10-087-464-53 Sequence 43, Appl
27	178	8.6	1156	14	US-10-369-493-43 Sequence 22, Appl
28	178	8.6	1384	16	US-10-473-576-22 Sequence 7611, Ap
29	178	8.6	1948	14	US-10-032-585-7611 Sequence 53554, A
30	177.5	8.5	1184	15	US-10-282-122A-53254 Sequence 57797, A
31	173	8.3	687	15	US-10-282-122A-57797 Sequence 217, App
32	173	8.3	879	13	US-10-108-605-217 Sequence 13477, A
33	172.5	8.3	891	14	US-10-369-493-13477 Sequence 32, Appl
34	172	8.3	497	10	US-09-820-843A-32 Sequence 52048, A
35	172	8.3	1191	15	US-10-282-122A-52048 Sequence 64245, A
36	171.5	8.3	1818	15	US-10-282-122A-64245 Sequence 47000, A
37	171	8.2	819	15	US-10-282-122A-47000 Sequence 1067, Ap
38	170.5	8.2	696	16	US-10-408-765A-1067 Sequence 63, Appl
39	170	8.2	670	9	US-09-748-875-63 Sequence 63, Appl
40	170	8.2	670	10	US-09-298-523B-63 Sequence 419, App
41	170	8.2	1979	14	US-10-205-823-419 Sequence 5251, Ap
42	169	8.1	996	9	US-09-815-242-5251 Sequence 12141, A
43	169	8.1	1009	9	US-09-815-242-12141 Sequence 2480, Ap
44	168.5	8.1	567	14	US-10-094-749-2480 Sequence 29, Appl
45	168.5	8.1	613	17	US-10-416-330-29 Sequence 29, Appl

ALIGNMENTS

RESULT 1
US-10-369-493-1061
; Sequence 1061, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 1061
; TYPE: PRT
; ORGANISM: Methanococcus jannaschii
US-10-369-493-1061

Query Match 11.9%; Score 247; DB 14; Length 1005;
Best Local Similarity 24.4%; Pred. No. 1.6e-05;
Matches 109; Conservative 85; Mismatches 165; Indels 88; Gaps 20;
Qy 5 SIKSLGLINFRDLKKYILGLHQLNLTITNKNKIETI----FLFEKFINDLNNL 60
Db 151 TVAKLLGIDFEFEK-----CYQMG--EIVKEYERLERIEGELNYKENYKELNKM 201
Qy 61 TIRVTKDSLYFFFIANSYLFRLFSDVRKLSGKY--SKLLV-PYLMFESHKKEAFEFKERF 117
Db 202 QLEEKKKLMEINDKLNKIKKEFEDIEKLFNENKLLYKFKINKLEERKRALELNQOE 261

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model
Run on: December 7, 2004, 18:31:43 ; Search time 39 Seconds
(without alignments)
692.088 Million cell updates/sec

Title: US-09-747-385-1
Perfect score: 2077
Sequence: 1 MDFSIIKSLGLNFRDLKK.....ELEENIKRMOEELNKLKVEV 407
Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 478139 seqs, 66318000 residues 478139
Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:
1: /cgn2_6/prodata/1/iaa/5A-COMB.pep:*
2: /cgn2_6/prodata/1/iaa/5B-COMB.pep:*
3: /cgn2_6/prodata/1/iaa/6A-COMB.pep:*
4: /cgn2_6/prodata/1/iaa/6B-COMB.pep:*
5: /cgn2_6/prodata/1/iaa/6C-COMB.pep:*
6: /cgn2_6/prodata/1/iaa/6D-COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	198.5	9.6	1786	3	US-08-973-462-8
2	197	9.5	241	4	US-09-107-532A-4086
3	192.5	9.3	976	3	US-09-104-324B-4
4	192.5	9.3	976	4	US-09-538-092-1339
5	180.5	8.7	740	1	US-08-257-073-5
6	175	8.4	710	4	US-09-107-532A-5067
7	172.5	8.3	1078	4	US-09-248-796A-20284
8	172	8.3	742	4	US-09-248-796A-19053
9	171.5	8.3	924	4	US-09-248-796A-18798
10	169.5	8.2	1211	3	US-09-134-001C-4820
11	168.5	8.1	905	4	US-09-134-001C-5178
12	168	8.1	1010	3	US-09-150-867-1
13	167	8.0	2954	4	US-08-923-992A-8
14	166.5	8.0	1098	3	US-09-248-796A-20275
15	163	7.8	630	4	US-09-248-796A-20281
16	162	7.8	810	4	US-09-538-092-1044
17	162	7.8	1427	4	US-08-923-992A-6
18	161	7.8	1128	3	US-08-923-992A-2
19	161	7.8	1164	3	US-09-750-590-2
20	161	7.8	1401	4	US-08-220-958-2
21	160.5	7.7	384	1	US-09-308-375-2
22	160.5	7.7	2285	3	US-09-595-684B-31
23	160.5	7.7	2662	4	US-09-538-092-1252
24	160.5	7.7	2863	4	US-09-722-139-2
25	160	7.7	1375	3	US-09-721-832-2
26	160	7.7	1375	4	US-09-721-689-2
27	160	7.7	1375	4	US-09-721-689-2

28	159.5	7.7	1354	3	US-08-685-871-2
29	159.5	7.7	2482	1	US-08-328-254-6
30	159.5	7.7	3210	4	US-09-538-092-1154
31	159	7.7	472	4	US-09-166-350-17
32	158.5	7.6	583	4	US-09-710-279-1358
33	158.5	7.6	3248	1	US-08-353-700-1
34	158.5	7.6	3248	5	PCT-US95-16216-1
35	158	7.6	645	2	US-08-592-126-144
36	158	7.6	645	2	US-08-687-080-47
37	158	7.6	645	4	US-09-168-595-144
38	158	7.6	668	4	US-09-328-352-6596
39	158	7.6	1312	2	US-08-592-126-148
40	158	7.6	1312	2	US-08-687-080-51
41	157	7.6	496	4	US-09-168-595-148
42	157.5	7.6	448	4	US-09-543-681A-6465
43	157	7.6	448	4	US-09-248-796A-20279
44	156.5	7.5	1104	3	US-08-923-992A-4
45	156.5	7.5	1173	4	US-09-248-796A-19313

ALIGNMENTS

RESULT 1
US-08-973-462-8
; Sequence 8, Application US/08973462B
; Patent No. 6191270
; GENERAL INFORMATION:
; APPLICANT: DAUBERSIES, PIERRE
; TITLE OF INVENTION: MALARIAL PRE-ERYTHROCYTIC STAGE POLYPEPTIDE MOLECULES
; FILE REFERENCE: 0660-0125-0 PCT
; CURRENT APPLICATION NUMBER: US/08/973,462B
; CURRENT FILING DATE: 1998-02-06
; EARLIER APPLICATION NUMBER: PCT/FR96/00894
; EARLIER FILING DATE: 1996-06-12
; EARLIER APPLICATION NUMBER: FR 95/07007
; EARLIER FILING DATE: 1995-06-13
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 1786
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Polypeptide
US-08-973-462-8

Query Match	9.6%	Score 198.5	DB 3	Length 1786
Best Local Similarity	22.2%	Pred. No. 3.6e-05		
Matches	103	Conservative 105	Mismatches 172	Indels 85
Gaps	24			
QY	10	LGILFRDLKYLGLHQLGNLHIT	---	NITNKKIETIFLFEKFINLDLNTLTIRVT 65
DB	832	LGIIETEEIKDSILNIEIEVKENVVTILENVEETTAESVTFESNILEETQENTITNDTI 891		
QY	66	KDSL--YFFNIANSYLRFPSD	-----	VRKLSGKYSKLLVPLVMEFSHKKEAFEX 114
DB	892	EKKLEELHENVLSAALENTQSEBEKEKVIDIVEEKEEVATTLIE-TVEQAEKSANTIT 950		
QY	115	ERFNI-----LVEEESYRNRLSDFNKRLKPAVEELKTLFENLKVRLKXGRVVKYKFS 170		
DB	951	EIFENLEENAVESNENVAENLEKLNENVTNVLDKVEETVE-ISGESLENEMDKAF-FS 1008		
QY	171	WTNDFNFKKDN-----IBEAEEVVEEKENIASGELEKYFKSTTDDVNYSKHKEVL 222		
DB	1009	EIFD-NVKGQENLLTGMFRSIFTSIVIQSEKVV---DLNENVVSSILD-NIENKEGLL 1063		
QY	223	EKLKNNLSLEYIKYKLSQWE---YVND-----KNILKSAYSFKLIEKAVYKN 271		
DB	1064	NKENISTEGVQETVTEHVQNVYVDVDPAMKQDFGLINLEAGGLKEMFFNLDFKFS 1123		
QY	272	HLPA-DYEELKVEERNRNISTNTITSILKDLVEKDITDY--EVRKNITPEQI---EQEVL 325		